

# ELECTRICAL CONNECTOR INSERT AND APPARATUS AND ASSOCIATED FABRICATION METHOD

## ABSTRACT OF THE DISCLOSURE

The electrical connector insert, apparatus and associated fabrication method provide a connector insert attached to flat wire segments. In addition, the connector  
5 insert retains the industry accepted openings into which connection portions, such as pins, of the component are positioned. The insert includes at least one housing, which includes multiple openings to receive at least one connector portion of at least one component and multiple conductive contacts, such as conductive pins and/or  
10 conductive sockets, that extend at least partially within the at least one housing, where each conductive contact is associated with an opening. The insert also includes at least one flat wire segment having conductive traces and connection elements to connect the conductive contacts of the housing to the conductive traces. If there are at least two housings, the housings may be sized and shaped to cooperate with each other when the housings are positioned adjacent one another.